

TRIBUTARIES BETWEEN PARKER DAM AND GILA RIVER

09427700 MONKEYS HEAD WASH NEAR PARKER, AZ

LOCATION.--Lat 34°16'40", long 114°07'46", in SW¹/₄SW¹/₄ sec.22, T.11 N., R.18 W., Yuma County, Hydrologic Unit 15030104, at State Highway 172, 1.5 mi south of Parker Dam, and 13 mi northeast of Parker.

DRAINAGE AREA.--1.84 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	08-16-63	10	ES	1970	03-0-170	35	ES
1964	00-00-64	0		1971	00-00-71	265	
1965	00-00-65	0		1972	09-18-72	5.0	
1966	12-09-65	12		1973	11-16-72	60	
1967	09-00-67	103		1974	00-00-74	0	
1968	08-13-68	320	ES	1975	08-00-75	0.5	LT
1969	10-03-68	12		1976	09-25-76	160	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
18.2	100	236	572	1,000	1,640
Weighted skew	(logs) =	-0.18			
Mean	(logs) =	1.23			
Standard dev.	(logs) =	0.91			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
415	2.7	1,130	0.0	3.0	5.5	1.4	3.4

